EFFECT OF GRINDING PROCESS PARAMETERS ON SURFACE ROUGHNESS OF ALUMINIUM ALLOY 6061-T6

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SUPERVISOR'S DECLARATION

We hereby declare that we have checked this project and in our opinion this project is satisfactory in terms of scope and quality for the award of the degree of Bachelor of Mechanical Engineering with Manufacturing.

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I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree.

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mm	Millimeter
m/s	Meter per second
n	Number
mm/s	Millimeter per second
μm	Micron meter
rpm	Revolutions per minute
in	Inch
Ra	Arithmetic mean value for surface roughness
μ in	Micron inch
g/cm^3	Gram per centimeter cube
GPa	Giga pascal
°C	Degree celsius

LIST OF ABBREVIATIONS

AA	Aluminium alloy
FKM	Faculty of mechanical engineering
ASME	American society mechanical engineering
FYP	Final year project
Si	Silicon
Cu	Copper
Mg	Magnesium
Cr	Chromium
CNC	Computer numerical control
DOC	Depth of cut
ANOVA	Analysis of variance
SS	Sum of squares
df	Degree of freedom
MS	Mean Square
F	Fisher's ratio
P	Probability value